

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S22	1055	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:00
S23	1023	S22 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:01
S24	90	S23 and pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:01
S25	472	219/125.11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:13
S26	28	S25 and laser and pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:13
S27	968	(residual stress) with pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:18
S28	51	S27 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 11:18
S32	138	((t-pipe\$3) or (T Pip\$3) or branch \$3) with laser with weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 14:03

S37	472	219/125.11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 16:31
S39	28	laser with weld\$3 with (multi-axi\$3 or multi axi\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 17:36
S40	5	laser with head with weld\$3 with (multi-axi\$3 or multi axi\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 17:38
S41	259	laser with head with weld\$3 with (axi\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 17:41
S44	472	219/125.11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/20 18:28
S45	1	laser with head with weld\$3 with (arcuate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 08:52
S46	948	219/121.82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 08:56
S47	4	S46 and laser with weld\$3 with (multi- axi\$3 or multi axi \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 08:57
S48	16	S46 and laser with head with weld\$3 with (axi\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 08:58
S49	1058	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 09:01

S50	233	laser with head with weld\$3 with (support\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 09:36
S53	19	((t-pipe\$3) or (T Pip\$3) or branch \$3) with weld\$3 with (residual stress or stress relie \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 11:49
S54	5282	((t-pipe\$3) or (T Pip\$3) or branch \$3) with weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 11:53
S55	217	((t-pipe\$3) or (T Pip\$3) or branch \$3) with weld\$3 with head	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 11:55
S56	234	((t-pipe\$3) or (T Pip\$3) or branch\$3 or (T-joint) or (T joint)) with weld\$3 with head	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 11:59
S57	17	S56 not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 12:18
S59	19	plurality with laser with head with weld \$3 with (support \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/21 14:55
S60	15	("1983321"   "3515844"   "3604612"   "4118620"   "4132338"   "4260869"   "4400611").PN. OR ("4841123").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/15 15:46
S61	619	(219/121.8).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/15 17:20

S63	423	219/121.79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/15 17:48
S65	173	148/519	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/15 17:52
S75	710	(219/61).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/08 14:47
S78	269	219/125.12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:11
S79	87	S78 and pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:11
S81	279	219/76.1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:22
S82	71	S81 and pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:23
S83	1099	219/121.78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:26
S84	95	S83 and pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:26
S89	13640	"266"/\$.ccls. and (pip\$3 or tube or tubular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:49

S90	160	S89 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:50
S91	5983	"228"/\$.ccls. and (pip\$3 or tube or tubular) and (weld or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:53
S92	301	S91 and ((t-pipe \$3) or (T Pip\$3) or branch\$3 or (T- joint) or (T joint))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 16:54
S95	22550	"219"/\$.ccls. and (pip\$3 or tube or tubular) and (weld \$3 or laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 17:20
S96	1335	S95 and ((t-pipe \$3) or (T Pip\$3) or branch\$3 or (T- joint) or (T joint))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 17:20
S101	13964	stress\$3 and laser and pip\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 18:32
S102	4069	S101 and ((t-pipe \$3) or (T Pip\$3) or branch\$3 or (T- joint) or (T joint))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/08 18:32
S105	1009	"228"/\$.ccls. and (pip\$3 or tube or tubular) and (laser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/11 12:24
S106	605361	S105 and ((t-pipe \$3) or (T Pip\$3) or branch\$3 or (T- joint) or (T joint))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/11 12:25
S107	605361	S105 and ((t-pipe \$3) or (T Pip\$3) or branch\$3 or (T- joint) or (T joint))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/11 12:25

S108	352	(228/29).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/11 13:59
S109	2	S108 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/11 14:10

**EAST Search History (Interference)**

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